

A fluorine-containing compound represented by the formula 1,

$$(OR^3)_m$$

$$(1)$$

$$(CF_3^0R^2)_n$$

where R1 is a methyl group or trifluoromethyl group,

each of R² and R³ is independently a hydrogen atom or a group containing (a) a hydrocarbon group having a straight-chain, branched or ring form and having a carbon atom number of 1-25 or (b) an aromatic hydrocarbon group, each of the hydrogen group and the aromatic hydrocarbon group independently optionally containing at least one of a fluorine atom, an oxygen atom and a carbonyl bond,

l is an integer of from 0 to 2, each of m and n is independently an integer of 1-5 to satisfy an expression of m+n \leq 6, and

when at least one of R¹, R² and R³ is present in a plural number, the at least one of R¹, R² and R³ may be identical with or different from each other.